

U. S. DEPARTMENT OF COMMERCE HARRY L. HOPKINS, Secretary

- BUREAU OF THE CENSUS

WILLIAM LANE AUSTIN, Director

CENSUS OF ELECTRICAL INDUSTRIES. 1937

ELECTRIC LIGHT AND POWER INDUSTRY

Prepared under the supervision of THOMAS J. FITZGERALD Chief Statistician for Manufactures

Bureau of the Census Library

> UNITED STATES GOVERNMENT PRINTING OFFICE WASHINGTON: 1939

or sale by the Superintendent of Documents, Washington, D. C. - - - - - - Price 15 cents

LETTER OF TRANSMITTAL

DEPARTMENT OF COMMERCE, BUREAU OF THE CENSUS, Washington, D. C., August 17, 1939.

Sir: I transmit herewith the report on the Census of Electric Light and Power Industry for 1937. This is one of the series of the Census of Electrical Industries, which also includes reports on Street Railways, Telephones, and Telegraphs.

The Census of Electrical Industries has been taken quinquennially beginning with the inquiry for the year 1902, under provisions of the acts of Congress approved March 6, 1902, and June 7, 1906.

The collection of the data, the compilation of the statistics, and the preparation of the text of this report were under the general supervi-

preparation of the text of this report were under the general supervision of Thomas J. Fitzgerald, Chief Statistician for Manufactures, and Howard H. McClure, Assistant Chief Statistician for Manufactures, and under the immediate supervision of Katrina C. Morse.

Respectfully,

WILLIAM LANE AUSTIN, Director of the Census.

Hon. HARRY L. HOPKINS, Secretary of Commerce.

CONTENTS

THE ELECTRICAL INDUSTRIES

ELECTRIC LIGHT AND POWER INDUSTRY

INTRODUCTION AND GENERAL EXPLANATIONS	_
Scope of the census	Page 1
Earlier censuses. The schedule	1
Area and period covered. Definition of establishment Character of establishments canvassed.	î
Definition of establishment.	2
Character of establishments canvassed	1 1 2 2 2 2
Chapter I.—THE INDUSTRY AS A WHOLE	
Summarization of the industry	4
	4
Idle equipment Fuel consumed per kilowatt-hour Transmission systems and primary distribution lines Reduction in transmission losses	5
Transmission and animous distribution lines	5
Reduction in transmission losses.	5
SOUTCE OF EDERGY	ĕ
Sales to ultimate consumers Energy consumed by class of service	6
Energy consumed by class of service.	6
Farm service	7
Sales for resale Energy not reported as sold	7
Consolidated balance sheet	7
Consolidated income statement and dividend appropriations Employees and salaries and wages	8
TABLES	
 Summary for the electric light and power industry, all establishments: 1937, 1932, and 1927 Prime movers and generators as of December 31, 1937—Number and rated capacity by type of 	9
prime movers, all establishments: 1937.	10
tablishments: 1937. 5. Sales of electric apares. Number of ensteamers, current sold, and revenue from electric service all	. 11
establishments: 1937 6. Farm service—All establishments—Number of customers, current sold, and revenue from electric	12
service, by class of service, 1957; an uses, 1957, 1952, and 1927	10
 Total output; current sold to ultimate consumers and for resale; balance not sold, according to disposal; percent distribution, all establishments: 1937. Consolidated balance sheet for all establishments reporting, including assets and liabilities of allied nonelectric utilities as of December 31, 1937. Consolidated inome, operating-revenue and expense statement and dividend appropriations for all establishments reporting: 1937. Source of energy—Current generated and energy received from other sources, all establishments: 1937. Transmission systems and primary distribution lines, miles of circuit, by individual voltage, all establishments: 1937. 	13 14
9. Consolidated income, operating-revenue and expense statement and dividend appropriations for all establishments reporting: 1937.	14
10. Source of energy—Current generated and energy received from other sources, all establishments:	15
establishments: 1937	15
Chapter II.—THE INDUSTRY, BY REPORTING SOURCES	
Comparison with Federal power classifications	16 17
TABLES	
 Generating facilities, generated output, and fuel consumed, by reporting sources: 1937. Sales of electric energy—Number of customers, current sold, and revenue from electric service, by class of service, by reporting sources: 1937. 	18 20
class of service, by reporting sources: 1937. 14. Employees and salaries and wages paid, by reporting sources: 1937. 15. Summary, by purely electric and composite establishments, by reporting sources: 1937.	23 23
Chapter III.—THE GEOGRAPHICAL DISTRIBUTION OF THE INDUSTRY	
State statisticsFinancial statistics	$\frac{25}{25}$

CONTENTS

TABLES	
 16. Generating facilities, generated output, and fuel consumed, all establishments, by geographic divisions: 1937. 17. Generator capacity and current generated, all establishments, by divisions and States: 1937 and 1932. 18. Prime movers—Number and horsepower, by type, all establishments, by geographic divisions: 1937. 19. Sales of electric energy, by major classes of service, all establishments, by geographic divisions: 1937. 20. Number of customers—Ultimate consumers only, by class of service, all establishments, by divisions and States: 1937. 21. Total sales—Number of customers, current sold, and revenue from electric service, all establishments, by divisions and States: 1937 and 1932. 22. Current generated and energy received from other sources, all establishments, by geographic divisions: 1937. Chapter IV.—FUEL-BURNING AND HYDROELECTRIC GENERATING STATIONS 	26 28 29 30 33 35 36
Hydroelectric groupings. Comparison with Census for 1932. Combination of hydroelectric and fuel-burning plants. Comparison by regions.	37 37 37 38
TABLES	
23. Generator capacity of fuel-burning and of hydroelectric equipment, all establishments, by divisions and States: 1937. 24. Current generated by fuel-burning and by hydroelectric equipment, all establishments, by divisions and States: 1937. 25. Summary, all establishments and hydroelectric establishments: 1937. Chapter V.—PRIVATELY OWNED AND MUNICIPALLY OWNED ELECTRIC UTILITIES	39 40 41
Comparison with earlier censuses	42
Comparison of "privately owned electric utilities" and "municipally owned electric utilities"	43
26. Number of establishments generating and distributing only, privately owned and municipally owned electric utilities, by divisions and States: 1937. 27. Number of establishments reporting generating equipment and horsepower of prime movers, privately owned and municipally owned electric utilities, by divisions and States: 1937. 28. Number of privately owned electric utilities, by character of ownership, by divisions and States: 1937. 29. Generators—Number and kilowatt capacity, by type of prime mover, privately owned electric utilities, by divisions and States: 1937. 30. Generators—Number and kilowatt capacity by type of prime mover, municipally owned electric utilities, by divisions and States: 1937. 31. Principal kinds of fuel used in electric generation, privately owned electric utilities, by divisions and States: 1937. 32. Principal kinds of fuel used in electric generation, municipally owned electric utilities, by divisions and States: 1937. 33. Number of generating stations, by type, privately owned and municipally owned electric utilities, by divisions and States: 1937. 34. Current generated, privately owned and municipally owned electric utilities, by divisions and States: 1937. 35. Current generated, by type of prime mover, privately owned electric utilities, by divisions and States: 1937. 36. Current generated, by type of prime mover, municipally owned electric utilities, by divisions and States: 1937. 37. Transmission systems and primary distribution lines—Miles of circuit for specified voltages, privately owned electric utilities, by divisions and States: 1937. 38. Sales to ultimate consumers—Number of customers, current sold, and revenue from electric service, by major classes of service, privately owned electric utilities, by divisions and States: 1937. 40. Sales to ultimate consumers—Number of customers, current sold, and revenue from electric service, by major classes of service, privately owned electric utilities, by divisions and States: 1937. 41. Number of salaried employees	44 45 46 47 49 51 52 53 55 56 57 58 62 68 74
 and municipally owned electric utilities: 1937. Consolidated balance sheet for privately owned electric utilities, including assets and liabilities of allied nonelectric utilities as of December 31, 1937. Consolidated income, operating-revenue, and expense statement, and dividend appropriations for privately owned electric and allied nonelectric utilities: 1937. Consolidated balance sheet for municipally owned electric utilities, including assets and liabilities of allied nonelectric utilities as of December 31, 1937. Consolidated income, operating-revenue and expense statement, for municipally owned electric and allied nonelectric utilities: 1937. 	74 74 75 75 76
APPENDIXES	
Excerpts from "Instructions for preparing report" describing account numbers taken from the "Uniform system of accounts"	79 82